

What is claimed is:

1. Isolated nucleic acid comprising a polynucleotide sequence having at least a 95% sequence identity to (a) a DNA molecule encoding a PRO285 polypeptide having amino acid residues 27 to 839 of Fig. 1 (SEQ ID NO:1); or (b) to a DNA molecule encoding a PRO286 polypeptide having amino acid residues 27 to 825 of Fig. 3 (SEQ ID NO:3); or (c) to a DNA molecule encoding a PRO358 polypeptide having amino acids 20 to 575 of Fig. 12A-B (SEQ ID NO: 13); or (d) the complement of the DNA molecule of (a), (b), or (c).
2. The isolated nucleic acid of claim 1 comprising DNA having at least a 95% sequence identity to (a) a DNA molecule encoding a PRO285 polypeptide having amino acid residues 1 to 839 of Fig. 1 (SEQ ID NO:1); or (b) to a DNA molecule encoding a PRO286 polypeptide having amino acid residues 1 to 825 of Fig. 3 (SEQ ID NO:3), or (c) the complement of the DNA molecule of (a) or (b).
3. The isolated nucleic acid of claim 1 comprising DNA having at least a 95% sequence identity to (a) a DNA molecule encoding a PRO358 polypeptide comprising the sequence of amino acids 20 to 575 of Figures 12A and 12B (SEQ ID NO: 13), or (b) the complement of the DNA molecule of (a).
4. The isolated nucleic acid of claim 1 comprising DNA having at least 95% sequence identity to (a) a DNA molecule encoding a PRO358 polypeptide comprising the sequence of amino acids 20 to 811 of Figures 12A and 12B (SEQ ID NO: 13), or (b) the complement of the DNA molecule of (a).
5. The isolated nucleic acid of claim 1 comprising DNA encoding a PRO285 polypeptide having amino acid residues 1 to 839 of Fig. 1 (SEQ ID NO:1).
6. The isolated nucleic acid of claim 1 comprising DNA encoding a PRO285 polypeptide having amino acid residues 1 to 1049 of Fig. 1 (SEQ ID NO:1).
7. The isolated nucleic acid of claim 1 comprising DNA encoding a PRO285 polypeptide having amino acid residues 1 to 839 and 865 to 1049 of Fig. 1 (SEQ ID NO: 1).
8. The nucleic acid of claim 1 wherein said DNA comprises the nucleotide sequence starting at nucleotide position 85 of Figure 2 (the sequence of SEQ ID NO:2), or its complement.
9. The isolated nucleic acid of claim 1 comprising DNA encoding a PRO286 polypeptide having amino acid residues 1 to 1041 of Fig. 3 (SEQ ID NO:3).
10. The isolated nucleic acid of claim 1 comprising DNA encoding a PRO286 polypeptide having amino acid residues 1 to 825 and 849 to 1041 of Fig. 3 (SEQ ID NO:3).
11. The isolated nucleic acid of claim 1 wherein said DNA comprises the nucleotide sequence starting at nucleotide position 57 of Figure 4 (the sequence of SEQ ID NO:4), or its complement.
12. The isolated nucleic acid of claim 1 comprising DNA encoding a PRO358 polypeptide having amino acid residues 20 to 575 of Figures 12A and 12B (SEQ ID NO:13), or the complement thereof

13. The isolated nucleic acid of claim 1 comprising DNA encoding a PRO358 polypeptide having amino acid residues 20 to 811 of Figures 12A and 12B (SEQ ID NO: 13), or the complement thereof.

14. The isolated nucleic acid of claim 1 comprising DNA encoding a PRO358 polypeptide having amino acid residues 1 to 811 of Figures 12A and 12B (SEQ ID NO: 1), or the complement thereof.

15. An isolated nucleic acid comprising DNA having at least a 95% sequence identity to (a) a DNA molecule encoding the same mature polypeptide encoded by the human Toll protein cDNA in ATCC deposit No. 209389 (DNA40021-1154), or (b) the complement of the DNA molecule of (a).

16. An isolated nucleic acid comprising DNA having at least a 95% sequence identity to (a) a DNA molecule encoding the same mature polypeptide encoded by the human Toll protein cDNA in ATCC deposit No. 209386 (DNA42663-1154).

17. An isolated nucleic acid comprising DNA having at least a 95% sequence identity to (a) a DNA molecule encoding the same mature polypeptide encoded by the human Toll protein cDNA in ATCC Deposit No. 209431 (DNA47361-1249), or (b) the complement of the DNA molecule of (a).

18. A vector comprising the nucleic acid of claim 1.

19. The vector of claim 18 operably linked to control sequences recognized by a host cell transformed with the vector.

20. A host cell comprising the vector of claim 18.

21. The host cell of claim 20 wherein said cell is a CHO cell.

22. The host cell of claim 20 wherein said cell is an E. coli.

23. The host cell of claim 20 wherein said cell is a yeast cell.

24. A process for producing a Toll polypeptide comprising culturing the host cell of claim 20 under conditions suitable for expression of a polypeptide of claim 1 and recovering said polypeptide.

25. A chimeric molecule comprising a PRO285 or PRO286 or PRO358 polypeptide or a transmembrane-domain deleted or inactivated variant thereof, fused to a heterologous amino acid sequence.

26. The chimeric molecule of claim 25 wherein said heterologous amino acid sequence is an epitope tag sequence.

27. The chimeric molecule of claim 26 wherein said heterologous amino acid sequence is a Fc region of an immunoglobulin.

28. An antibody which specifically binds to a polypeptide encoded by DNA 40021 or DNA42663 or DNA47361.

29. The antibody of claim 28 wherein said antibody is a monoclonal antibody.

30. The antibody of claim 29 capable of blocking the recognition of a Gram-negative or Gram-positive organism by said polypeptide.

31. An antibody which specifically binds a human TLR2 (hTLR2) receptor.

32. The antibody of claim 31 capable of blocking the activation of hTLR2 by lipopolysaccharide (LPS) of Gram-negative bacteria.

33. The antibody of claim 32 wherein said bacteria is *E. coli*.

5 34. A human TLR2 (hTLR2) variant having a deletion at the C-terminus of a native hTLR2.

35. The variant of claim 34 having 13 amino acids deleted at the C-terminus of a native hTLR2.

10 36. The variant of claim 34 having 141 amino acids deleted at the C-terminus of a native hTLR2.

37. A method of treatment of septic shock comprising administering the a patent an effective amount of an antibody of claim 28 or claim 31.

38. A composition comprising an effective amount of an antibody of claim 28 or claim 31, in admixture with a pharmaceutically acceptable carrier.

15 39. An agonist of a PRO285, or PRO286, or RRO358 polypeptide.

40. An antagonist of a PRO285, or PRO286, or PRO358 polypeptide.

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